

AMENDMENT

What is claimed:

1. (previously presented) A method of raising and leveling a settled slab which comprises the steps of:

(a) mixing a quantity of lime and liquid into a viscous lime sludge such that said lime sludge consists primarily of lime and water;

(b) cutting a plurality of holes in said settled slab;

(c) pumping said lime sludge under said settled slab through said holes so as to move said settled concrete slab;

(d) leveling said settled concrete slab by controlling said pumping of said lime sludge pumped under said settled slab; and

(e) repairing said plurality of holes in the said slab.

2. (previously presented) A method of raising and leveling a settled slab as in claim 1 wherein said lime sludge is an aqueous solution of an inorganic salt selected from the group consisting of calcium chloride, magnesium chloride, and aluminum sulfate obtained from water treatment.

3. (previously presented) A method of raising and leveling a settled slab as in claim 1 wherein said slab is stabilized with a mixture of well dried sand and compressed air pumped beneath said slab so as to fill any voids with said well dried sand.

4. (original) A method of raising and leveling a settled slab as in claim 3 wherein said plurality of holes are repaired with patch material of similar composition and appearance of said concrete slab.

5. (original) A method of raising and leveling a settled slab as in claim 4 wherein said slab is comprised of concrete.

6. (previously presented) A method of raising and leveling a settled slab which employs the use of lime sludge as a lifting

agent comprising the steps of:

(a) mixing a quantity of lime and liquid into a viscous lime sludge such that said lime sludge consists primarily of lime and water;

(b) cutting a plurality of holes in said settled slab;

(c) pumping said lime sludge under said settled slab at high pressure so as to move said settled slab;

(d) raising and leveling said settled slab by controlling said pumping of said lime sludge pumped under said settled slab;

(e) pumping a mixture of compressed air and well dried sand beneath said raised and leveled slab; and

(f) repairing said plurality of holes in the said slab.

7. (previously presented) A method of raising and leveling a settled slab as in claim 6 wherein said mixture of well dried sand and compressed air pumped beneath said slab is used to fill any voids with sand so as to stabilize said slab.

8. (previously presented) A method of raising and leveling a settled slab as in claim 7 wherein said mixture of compressed air and well dried sand is pumped under high pressure into said voids along the sides of said raised and leveled slab.

9. (original) A method of raising and leveling a settled slab as in claim 8 wherein said plurality of holes are repaired with patch material of substantially the same composition and appearance of said concrete slab.

10. (previously presented) A method of raising and leveling a settled slab as in claim 9 wherein said slab is comprised of concrete.

11. (currently amended) A method of raising and leveling a settled concrete slab which employs the use of lime sludge as a lifting agent comprising the steps of:

(a) mixing a quantity of lime and liquid into a viscous lime sludge such that said lime sludge consists primarily of lime and

water;

(b) cutting a plurality of holes in said settled concrete slab;

(c) pumping said lime sludge under said settled concrete slab at high pressure;

(d) leveling said settled concrete slab by controlling said pumping of said lime sludge pumped under said settled concrete slab;

(e) cutting a plurality of sand holes in said settled concrete slab;

(f) pumping an air and sand mixture of compressed air and well dried sand beneath said settled concrete slab; and

(g) repairing said plurality of holes in the said concrete slab.

12. (previously presented) A method of raising and leveling a settled concrete slab as in claim 11 wherein said concrete slab is stabilized with a mixture of well dried sand and compressed air pumped beneath said concrete slab so as to pack any voids with said well dried sand

13. (previously presented) A method of raising and leveling a settled concrete slab as in claim 12 wherein said well dried sand and compressed air mixture is pumped into said voids through said sand holes.

14. (original) A method of raising and leveling a settled concrete slab as in claim 13 wherein said plurality of holes are repaired with patch material of substantially the same composition and appearance of said concrete slab.

15. (original) A method of raising and leveling a settled concrete slab as in claim 14 wherein said plurality of sand holes are repaired patch material of substantially the same composition and appearance of said concrete slab.